

77. (New) An apparatus as claimed in claim 50, further including a substance reservoir to store the substance, wherein the airflow sensor is also configured to detect exhalation by the human or animal, wherein the substance reservoir is configured to provide the substance to the positive displacement pump during exhalation of the human or animal, and wherein the substance is delivered from the positive displacement pump to the human or animal during inhalation of the human or animal.

78. (New) A system as claimed in claim 74, further including a substance reservoir to store the substance, wherein the airflow sensor is also configured to detect exhalation by the human or animal, wherein the substance reservoir is configured to provide the substance to the positive displacement pump during exhalation of the human or animal, and wherein the substance is delivered from the positive displacement pump to the human or animal during inhalation of the human or animal.

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